

ABSTRACTS

[Abstract]

[Object] To provide a warm molding raw material powder having a good flowing property at a high temperature, high lubricating and pressing properties at a time of press-molding, and being highly economical and a warm molding method using the warm molding raw material powder.

[Solving Means] A hydroxy fatty acid salt having an average particle diameter of from 5 μm to 100 μm with a composition of from 0.3 wt% to 2 wt%, and more preferably, from 0.5 wt% to 2 wt% is added to a raw material powder in powder metallurgy, and worm molding is performed. In addition, a hydroxy fatty acid salt having an average particle diameter of 50 μm or less is attached on a mold in advance, and after that, the warm molding is performed. As a hydroxy fatty acid salt, 12-hydroxy lithium stearate is suitably used.